

USSR/Chemical Technology - Chemical Products and  
Their Applications - Electrochemical  
Manufacturing. Electrodeposition.

I-9

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, 8909

the anodic position for 0.5 - 0.4 sec. Good, high luster deposits are obtained at 45-60° when the current density is increased to 10 amps/dm<sup>2</sup>. In general it was found that the matness of the deposit increased with increasing temperature. The quality of the deposits obtained at lower temperatures was inferior. When a current density D of 10 amps/dm<sup>2</sup> is used, the plating time can be reduced from 30 to 15 min without impairing the quality of the deposit.

Card 4/3

RUBENCHIK, K.F.

ZHINOVICH, N.I.; MENKINA, M.M.; RUBENCHIK, K.F.

Nickel plating with an electric current periodically changing  
its direction. Sbor.nauch.rab.Bel.politekh.inst. no.55:103-108  
'56.

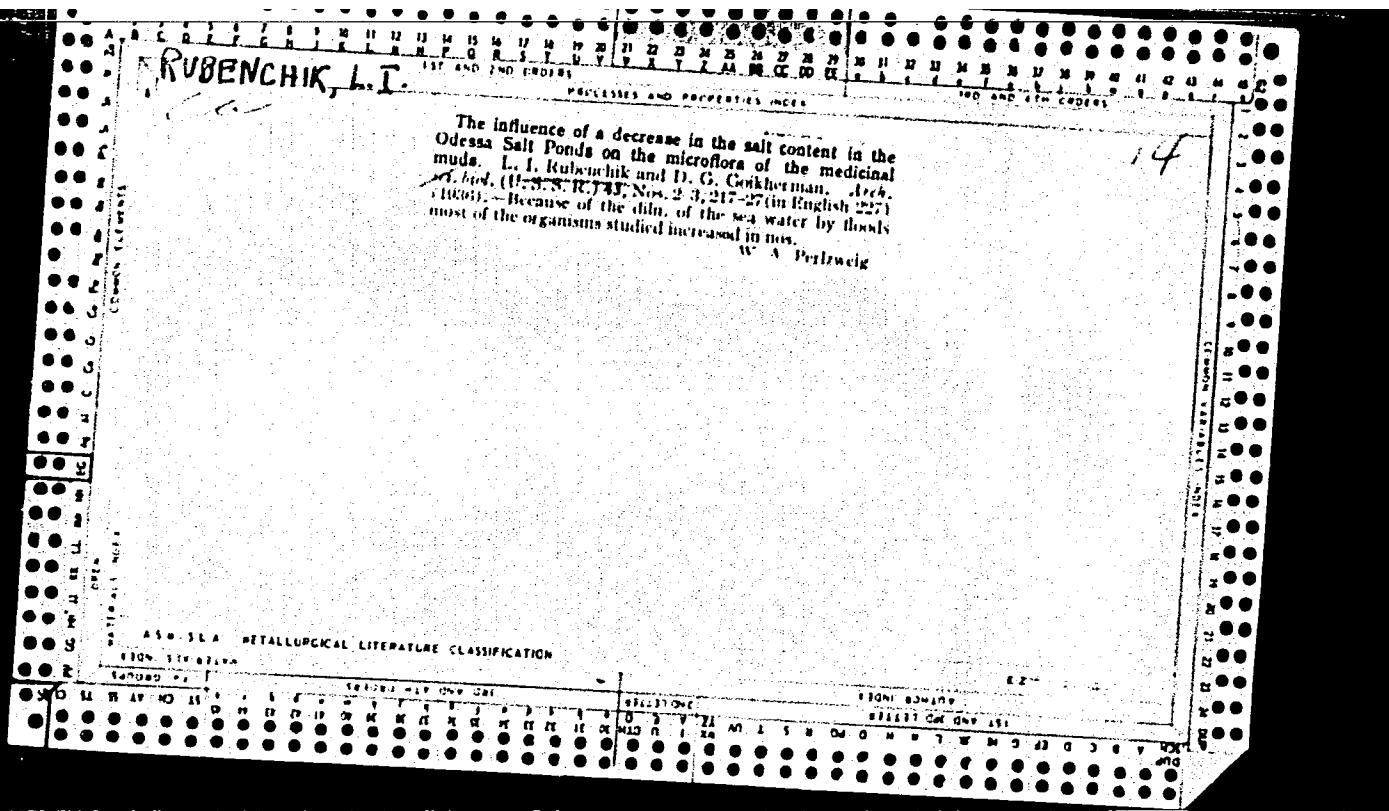
(Nickel plating) (MLRA 10:7)

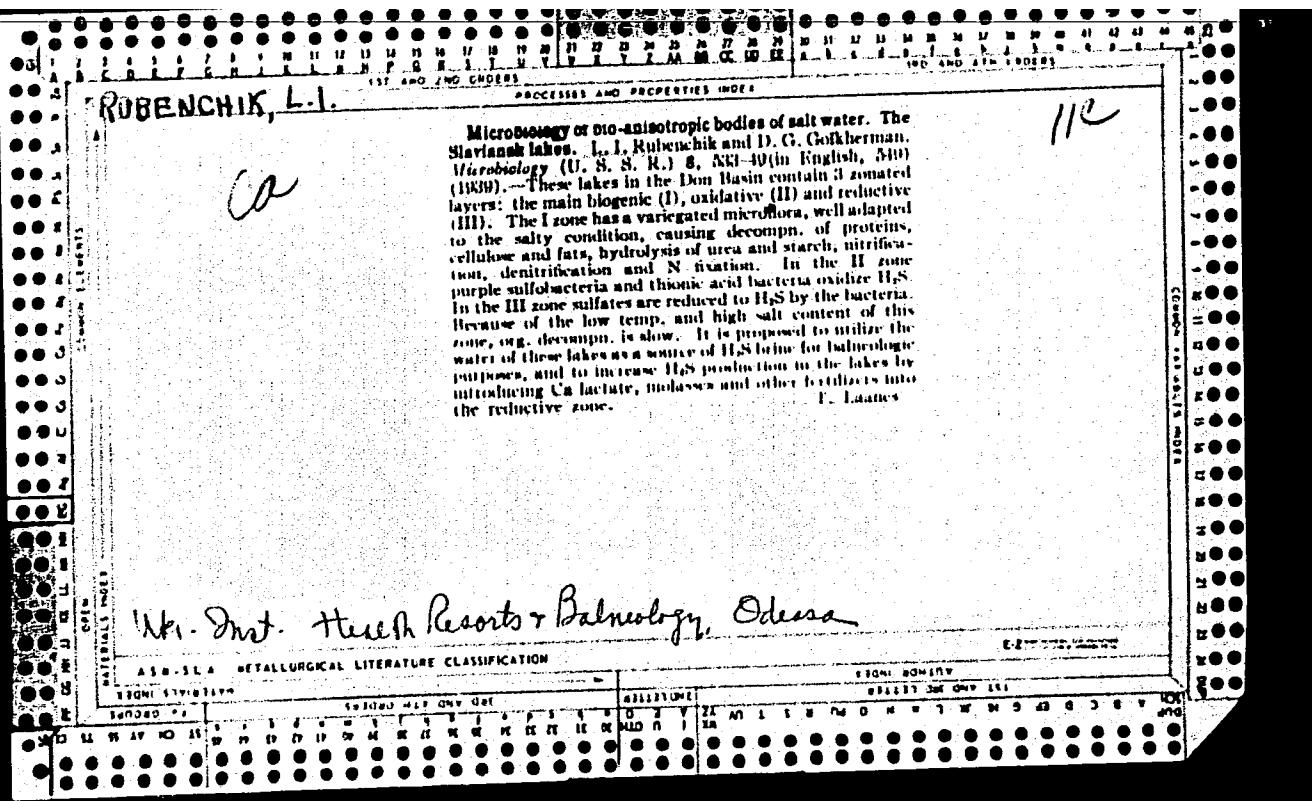
RUFEN, SAV. V.

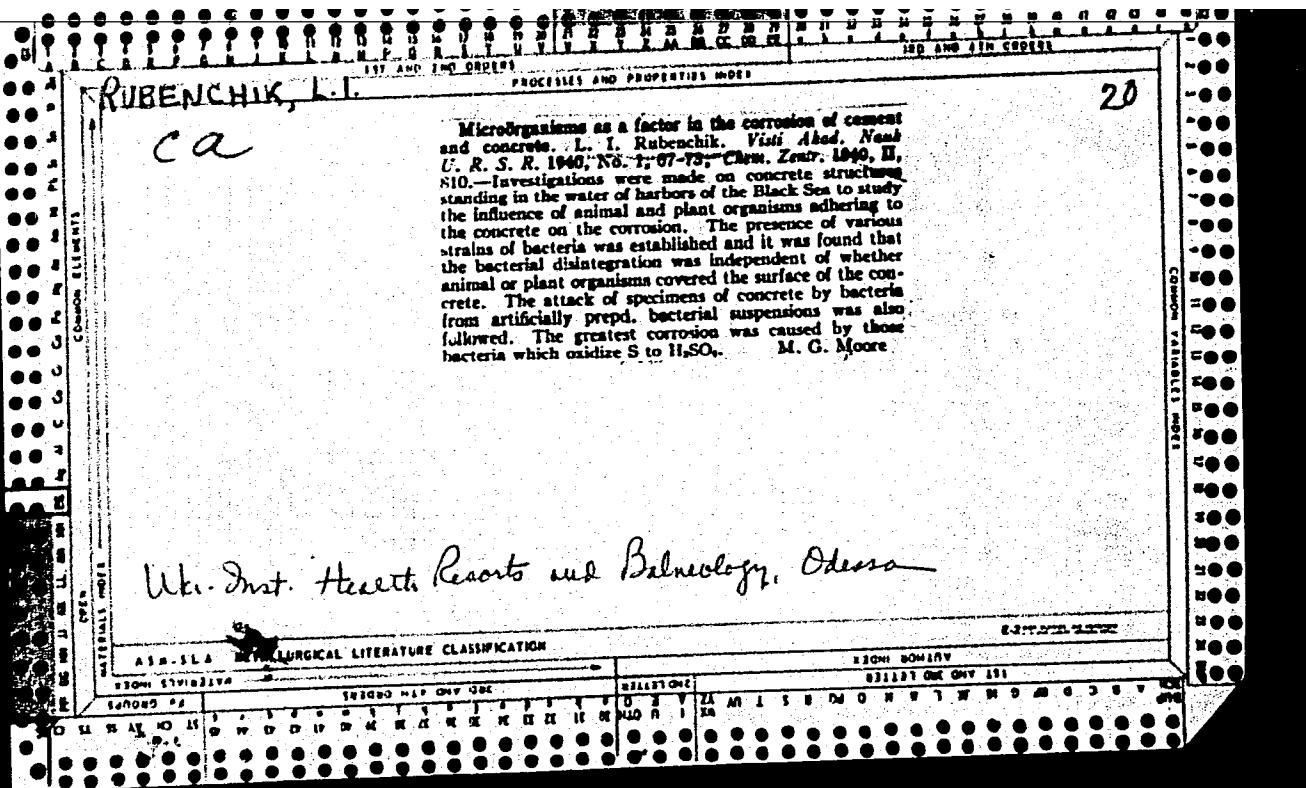
Boevye traditsii russkikh letchikov; ocherki iz istorii morskoi i sukhoputnoi  
aviatsii. /The fighting traditions of the Russian flyers; historical sketches  
on naval and land aviation/. Moskva, Voenno-morskoe izdatel'stvo NKVMF Soiuza  
SSR, 1943. 61 p.

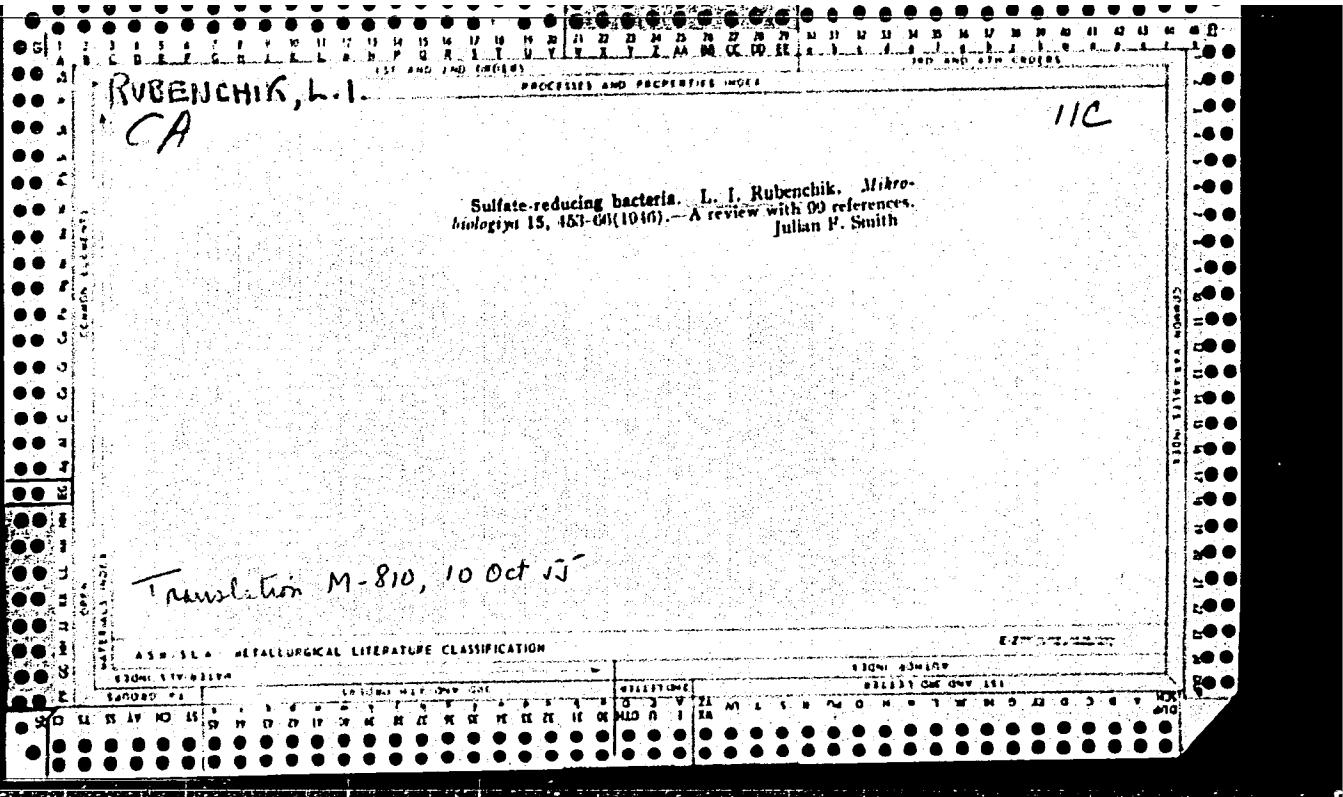
DLC: UC635.R9R8

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress  
Reference Department, Washington, 1952, Unclassified









RUBENCHIK, Lev Iosifovich, 1896-

[Micro-organisms and bacterial processes in salty bodies of water  
in the Ukraine] Mikroorganizmy i mikrobiyal'nye protsessy v  
solianykh vodcakh USSR. Kiev, Izd-vo Akademii nauk USSR, 1948.  
116 p. (MIRA 11:6)

(UKRAINE--HYDROBIOLOGY) (MICRO-ORGANISMS)

RUBENCHIK, L. I.

Chernobyl'skaya, M. N. and Rubenchik, L. I. - "On the effect of certain biological active substances on the Clostridium acetobutylicum," Doklady Akad. nauk Ukr. SSR, No. 6, 1948, p. 3-6, (In Ukrainian, resume in Russian)

SO: U-355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

RUBENCHIK, L.I.; BARSOVA, O.I.; ZINOV'YEVA, Kh.Q.

Interrelations between Azotobacter and some soil bacteria. Report  
no.1. Mikrobiol.zhur. 9 no.4:3-10 '48. (MLRA 9:9)

1. Iz otdela pochvennykh mikroorganizmov (zav. otdelom - L.I.Rubenchik)  
Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk  
USSR.

(AZOTOBACTER) (SOILS--BACTERIOLOGY)

RUBENCHIK, L.I.; ZINOV'YEVA, Kh.G.

Formation of bios-type phytohormones in cultures of Azotobacter chroococcum. Report no.1. Mikrobiol. zhur. 9 no.4:11-16 '48.

(MLRA 9:9)

1. Iz otdela pochvennykh mikroorganizmov (zav. otdelom - L.I.Rubenchik) Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii nauk USSR.

(AZOTOBACTER) (HORMONES (PLANTS))

RUBENCHIK, L. I.

RUBENCHIK, L. I., BERSHOVA, C. I., and ZIMOV'YEVA, Kh. G. "The interrelationship between isotobacter and certain soil bacteria", (Report 2), Mikrobiol. zhurnal, Vol. X, No. 1 1948, p. 3-10 (In Ukrainian, resume in Russian).

SQ: U-3Ch2, 11 March 53, (Letcpis 'Zhurnal 'nykh Statey, No. 7 1949).

RUBENCHIK, L. I.

RUBENCHIK, L. I. AND ZINOV'YEVA, KH. G. "The formation of phytchorones of the bios' type in cultures of Anotobacter chroococcum [sic]", (Report 2,) Mikrobiol. zhurnal, Vo. X, No.1, 1948, p. 11-17, (In Ukrainian, resume in Russian).

SC: U-3042, 11 March 53, (Lopotis 'Zhurnal' nykh Statey, No. 7 1949).

RUBENNIK, L. I.

Rubennik, L. I. "The interrelationship between azotobacter and certain soil bacteria", (Report 3), Mikrobiol. zhurnal, Vol. XI, Issue 1, 1949, p. 8-18, (In Ukrainian, resume in Russian).

SO: U-4392, 19 August 53, (Letopis 'zhurnal 'nykh Statey, No 21, 1949).

RUBENCHIK, L. I.

Author: Rubenchik, L. I.

Title: The microscopic organisms as a factor of corrosion of concretes and metals. (Mikroorganizmy kak faktor korrozii betonov i metallov.)

City: Kiev

Publisher: Academy of Sciences of USSR

Date: 1950

Available: Library of Congress

Sources: Monthly List of Russian Accessions, Vol. 4, No. 1, p. 21

RUBENCHIK, L. I.

USSR/Biology (Agriculture) - Bacterial

Fertilizers Feb 50

"Experiments on the Use of Azotogen in the Ukrainian SSR After World War II," L. I. Rubenchik, V. T. Smalij, Kh. G. Zinov'yeva, O. I. Bershov, Div of Soil Microorganisms, Inst Microbiol imeni Acad D.

K. Zabolotnyy. Acad Sci Ukrainian SSR

"Microbiologichniy Zhur" Vol XI, No 4, pp 5-24

Expts on the use of azotogen were carried out over large areas at sovkhozes in various oblasts of the Ukrainian SSR. Azotogen was found to be effective in improving yields. Azotogen prep on the basis

203T1

USSR/Biology (Agriculture) - Bacterial Fertilizers Feb 50  
Fertilizers (Contd)

of the local azobacter strain K was more effective in expts on wheat, corn, potatoes, and sugar beets than that prep with the std strain 53. More work should be done on the isolation of highly active azobacter strains from Ukrainian soils.

203T1

RUBENCHIK, L.I.; SMALIY, V.T.; ZINOV'YEVA, Kh.G.; BERSHOVA, O.I.

Activity of local Azotobacter strains from soils of the Ukrainian  
S.S.R. Mikrobiol.zhur. 13 no.2:3-20 '51. (MIRA 9:9)

1. Iz otdela obshchey mikrobiologii (zav. otdelom - L.I.Rubenchik)  
Instituta mikrobiologii imeni akademika D.K.Zabolotnogo Akademii  
nauk USSR.  
(UKRAINE--AZOTOBACTER)

RUBENCHIK, L. I.

Bacteriology

"Selected works." B. L. Isachenko. Reviewed by L. I. Rubenchik.  
Mikrobiologija 21 No. 3, 1952.

Unclassified.

Monthly List of Russian Accessions, Library of Congress, September 1952

RUBENCHIK, L.I.

USSR /Microbiology. Soil Microbiology.

F-3

Abs Jour: Referat. Zh.-Biol., No. 9, 1957, 35603

Author : Rubenchik, L.I.; Chernobylskaia, M.N.;  
Kilchevskaia, A.A.

Title : Microbiological Characterizations of Some Soils  
of the Irpen Basin (Poles'ye Ukr SSR)

Orig Pub: Naukovi zap. Liivsk. un-ta, 1953, 12, No. 7,  
21-26

Abstract: No abstract.

Card 1/1

RUBENCHIK, L.I.

V.L.Omelians'kyi, 1867-1928. Mikrobiol.zhur. 15 no.1:80-82 '53.  
(MIRA 7:3)  
(Omelians'kyi, Vasiliyi Leonidovych, 1867-1928)

RUBENCHIK, L.I.; CHERNOBYL'S'KA, M.N.; SMALIY, V.T.

Fertilizing young pear and apple trees with azotobacterin.  
Mikrobiol. zhur. 15 no.3:32-34 '53. (MLRA 8:1)  
(AZOTOBACTER) (APPLE) (PEAR)

RUBENCHIK, L.I.

Some data on the priority of Russian microbiologists. Mikrobiol.  
zhur. 15 no.3:72-75 '53. (MLRA 8:1)

1. Z Institutu mikrobiologii AN URSR.  
(MICROBIOLOGY, history,  
\*Russia)

RUBENCHIK, L.I.

Joint conference on the problems of scientific research work  
in the field of agricultural microbiology. Mikrobiol. zhur. 15  
no. 4:71-72 '53. (MLRA 7:2)  
(Bacteriology, Agricultural)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7

RUBENCHIK, L.I.

S.N.Vinogradskii. Mikrobiol.zhur.15 no.4:73-74 '53. (MLRA 7:2)  
(Vinogradskii, Sergei Nikolaevich, 1856-1953)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7"

RUBENCHIK, L. I.

Works of Ukrainian scientists in the field of general and soil  
microbiology. Mikrobiol.zhur. 16 no.1:6-10 '54 (MIRA 8:4)

(MICROBIOLOGY, history,  
in Russia)

RUBENCHIK, L.I.; CHERNOBYL'SKAYA, M.N.; KIL'CHEVSKAYA, A.A.

Effect of granosan on Azotobacter chroococcum. Mikrobiol.zhur. 16  
no.4:19-25 '54. (MIRA 10:1)

l. Z Kiivs'kogo derzhavnogo universitetu imeni T.G.Shevchenka.  
(GRANOSAN) (AZOTOBACTER)

USSR/ Scientists -- Microbiologists

Card 1/1 Pub. 86--10/33

Authors : Rubenchik, L. I.

Title : Contribution of Ukrainian scientists to the development of microbiology

Periodical : Priroda 43/11, 85--88, Nov 1954

Abstract : A review is made of the work of Ukrainian scientists from the 18th century to the present time in the field of microbiology, citing the individual scientists by name along with the particular contribution made by each.

Institution : .....

Submitted : .....

The urease activity of cultures of Azotobacter chroococcum S-1 Rutherford 1959

1. Introduction  
Azotobacter chroococcum S-1 Rutherford 1959 has the following properties:  
1) Urease activity is highest at pH 7.0. The urease activity may be suppressed in presence of medium. The H<sub>2</sub> is  
with others. 2) by cultivation on a medium containing H<sub>2</sub>  
some strains of Azotobacter H<sub>2</sub> is released.

1. Introduction  
that there may be some

RUBENCHIK, L.I.

Some problems for discussion in the field of soil microbiology.  
Mikrobiol. zhur. 17 no.2:56-61 '55 (MLRA 10:5)

1. Z Institutu mikrobiologii AN URSR  
(SOIL MICRO-ORGANISMS)

Rubenchik, L. I.

✓ Some moot questions concerning the role of soil micro-  
organisms in plant nutrition. L. I. Rubenchik. *Mikro-  
biologiya* 24, 229-33(1955).—A review with 23 references.  
Julian F. Smith

ZINOV'YEVA, Khristina Gavrilovna; BERSHOVA, Ol'ga Ippolitovna; RUBENCHIK,  
L.Y. vidpovidal'nyi redaktor; POLYAKOV, M.I., redaktor vidavnitsva;  
KORMILO, M.T., tekhnicheskiy redaktor

[Azotobacterin and its use in Ukrainian collective farms] Azoto-  
bakteryin i ioho zastosuvannia v kolhospakh Ukrayiny. Kyiv, Vyd-vo  
Akademii nauk URSR, 1956. 24 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk URSR (for Rybenchik)  
(Azotobacter) (Soil inoculation)

KHOLODNYY, Nikolay Grigor'yevich; BELOKON', I.P., redaktor; ZEROV, D.K.,  
redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor;  
RUBENCHIK, L.I., redaktor; SHILO, V.N., redaktor izdatel'stva;  
SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Selected works; in three volumes] Izbrannye trudy; v trekh tomakh.  
Kiev, Izd-vo Akademii nauk USSR. Vol.2. [Works on the physiology  
of plants] Raboty po fiziologii rastenii. 1956. 388 p. (MLRA 9:II)  
(Botany--Physiology)

KHOLODNYY, Nikolay Grigor'yevich; BELOKON', I.P., redaktor; ZHROV, D.K., redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor; RUBENCHIK, L.I., redaktor; NEMIROVSKIY, R.M., redaktor; SIVACHENKO, Ye.K., tekhnicheskiy redaktor.

[Selected works in three volumes] Izbrannye trudy v trekh tomakh. Kiev, Izd-vo Akademii nauk USSR. Vol.1. [Works on plant physiology] Raboty po fiziologii rastenii. 1956. 478 p. (MIRA 9:6) (Botany--Physiology)

USSR/Soil Science. Organic Fertilizers.

J-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 24792.

Author : Rubenchik L.I., Dershova O.I.

Inst :

Title : Influence of Azotobacterin on the Yield of Agricultural Crops.

Orig Pub: V.sb.: Vopr. razvitiya s.kh. Poles'ya. Kiyev,  
an ussr, 1956 (1957), 110-117.

Abstract: The structureless soils of Poles'ya, deficient in organic substances, and with an acid reaction, are unfavorable to the vital activity of azotobacterin. In 1952-1953, on fields of a kolkhoz of Kiev oblast, at pH 5.6-5.8 of sod-podsol, the Institute of Microbiology AN USSR conducted

Card : 1/2

RUBENCHIK-L.I.

Bacterial fertilizers. L. I. Rubenchik. *Mikrobiologiya*  
25, 231-42 (1956). —A review with about 100 references.  
Julian P. Smith

RUBENCHIK, L.I.

Azotobacterina bacterial fertilizer compound. Visnyk AN  
URSR 27 no.7:59-63 J1 '56. (MLRA 9:10)

(Azotobacter)

ROTMISTROV, Mikhail Nikolayevich, prof.; RUBENCHIK, L.I., prof., otv. red.;  
ORLIK, Ye.L., red.; KHOKHANOVSAYA, T.I., tekhnred.

[Importance of bacteria in nature and in the human economy] Znachenie  
mikrobov v prirode i v khoziaistvennoi deiatel'nosti cheloveka. [Kiev]  
Izd-vo Kievevskogo gos. univ. im. T.G.Shevchenko, 1957. 49 p.  
(MIRA 11:10)

1. Chlen-korrespondent AN USSR.(for Rubenchik).  
(Bacteria)

KHOLODNYY, Nikolay Grigor'yevich; BELOKON', I., redaktor; ZEROV, D.K.,  
redaktor; OKANENKO, A.S., redaktor; POGREBNYAK, P.S., redaktor;  
RUBENCHIK, L.I., redaktor; SHILO, V.N., redaktor izdatel'stva;  
SIVACHENKO, Ye.K., tekhnicheskiy redaktor

[Selected works; in three volumes] Izbrannye trudy; v trekh tomakh.  
Kiev, Izd-vo Akad.nauk USSR. Vol. 1 [Works on microbiology and  
plant ecology] Raboty po mikrobiologii i ekologii rastenii. 1957.  
525 p. (MIRA 10:7)

(Microbiology) (Botany--Ecology)

USSR / Microbiology. General Microbiology. Physiology and Biochemistry. F-1

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71905.

Author : Rubenchik, L. Y.

Inst : Not given.

Title : Metabolic Systems of Azotobacter.

Orig Pub: Mikrobiol. zh., 1957, 19, No 1, 54-58.

Abstract: This review is devoted to the study of metabolic systems connected with nitrogen fixation, and to the chemistry of the nitrogen fixation process, to the study of carbohydrate metabolism of Azotobacter and the various metabolic systems taking place in it, to the presence of dehydrogenase in Azotobacter and its possible connection with nitrogen fixation. Bibl. 31 titles. -- T. A. Kalininskaya.

Card 1/1

RUBENCHIK, L.Y.

Interrelations of micro-organisms and higher plants. Mikrobiol.  
zhur. 19 no.3:14-21 '57. (MIRA 10:11)

1. Z Institutu mikrobiologii AN URSR.  
(MICRO-ORGANISMS,  
relation to higher plants (Uk))  
(PLANTS,  
relation of microorganisms to higher plants (Uk))

AUTHORS: Rubenchik, L. I., Chernobyl'skaya, M. N., 20-114-6-49/54  
Kil'chevskaya, A. A., Filanovskaya, A. N.

TITLE: The Influence Exerted by the Volatile Secretions of Actinomycetes Upon Bacteria (Vliyaniye letuchikh vydeleniy aktinomitsetov na bakterii).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 114, Nr 6, pp. 1315-1316 (USSR)

ABSTRACT: Antibacterial substances were, among others, determined in the volatile secretions of some fungi of the species Trichoderma (reference 4). The authors studied 4 species of Actinomycetes. As test objects they used 4 species of bacteria in which the influence of the above-mentioned fungi was determined. The fungi were cultivated in Petri dishes, the bacteria in the covers of these dishes. A layer of air of 12-14 mm thickness thus separated both types in such a "two-storey" culture. Therefore only the volatile secretions of the fungi could act upon the bacteria. In the control dishes the lower "storey" was not inhabited. The culture lasted 72 hours at 28°. The results are given in table 1. A stimulating influence was exerted by: Actinomyces griseus subsp. variabilis and Act. coelicolor upon Bac. subtilis and Bac. mesentericus; Act. globisporus var. diastaticus upon Bact. coli, Bac. subtilis

Card 1/3

The Influence Exerted by the Volatile Secretions of  
Actinomycetes Upon Bacteria.

20-114-6-14/54

and Bac. mesentericus; Act. griseus upon Bact. coli. Microc. aureus remained uninfluenced of all investigated species. From dishes in which Actinomycetes were cultivated alone the authors brought drops of water of condensation from the cover into colonies of bacteria. Tap water served as control. No differences in the growth of the colonies of bacteria could be determined. The volatile secretions of the Actinomycetes apparently are little soluble or insoluble in water. The tests with Act. griseus, Act. albus and Act. violaceus which grew at the bottom of the Petri dishes, and with Azotobact. chroococcus (strain K) at the cover showed that the volatile substances of the fungi may serve as source of carbon and energy for this bacterium. This source was not full value, however, as the colonies of Azotobacter grew only weakly and slowly. But without Actinomycetes they did not develop at all.

There are 1 table and 5 references, all of which are Slavic.

ASSOCIATION: Kiyev State University imeni T. G. Shevchenko (Kiyevskiy gosudarstvennyy universitet imeni T. G. Shevchenko).

Card 2/3

The Influence Exerted by the Volatile Secretions of  
Actinomycetes Upon Bacteria.

20-114-6-49/54

PRESENTED: May 9, 1957, by V. N. Shaposhnikov, Member of the Academy.

SUBMITTED: May 8, 1957

Card 3/3

ROTMISTROV, Mikhail Nikolayevich; RUBENCHIK, L.I., prof., otv. red.;  
YANKOVSKAYA, Z.B., red.; KHOKHANOVSKAYA, T.I., tekhn. red.

[Cellulose fermentation and variability of the causative organisms]  
Brozhenie tselliulozy i izmenchivost' ego vozбудitelei. [Kiev] Izd-vo  
Kievskogo gos. univ. im. T.G.Shevchenko, 1958. 263 p. (MIRA 11:10)

1. Chlen-korr. AN USSR (for Rubenchik).  
(Cellulose)  
(Bacteria)

RUBENCHIK, L.I., otvetstvennyy red.; SHILO, V.N., red.izd-va; RAKHINA, N.P.,  
tekhn.red.

[Manufacture and use of bacterial fertilizers; transactions of the  
Conference on Bacterial Fertilizers] Poluchenie i primenie  
bakterial'nykh udobrenii; trudy soveshchaniia po voprosam bakterial'-  
nykh udobrenii. Kiev, Izd-vo Akad.nauk USSR, 1958. 271 p.  
(MIRA 11:6)

1. Soveshchaniye po voprosam bakterial'nykh udobreniy. Kiyev, 1956.
2. Chlen-korrespondent AN USSR (for Rubenchik)  
(Fertilizers and manures) (Soil inoculation)

RUBENCHIK, L.I. [RUBENCHYK, L.I.]

Ia. Iu. Bardakh; on the 100th anniversary of his birth. Mikrobiol.  
zhur. 20 no.1:64-67 '58 (MIRA 11:6)  
(BARDAKH, IAKIV IULLIOVYCH, 1857-1929)

RUBENCHIK, L.I.

Physiology of Azotobacter. Mikrobiologija 27 no.4:503-512 Jl-Ag '58  
(MIRA 11:9)

(AZOTOBACTER, metab. & physiol., review (Rus))

BURKSER, Ye.S. [Burkser, I.E.S.], ovt.red.; RUBENCHIK, L.I., red.;  
SAPOZHNIKOVA, S.I., doktor geograf.nauk, red.; CHUKHOVICH,  
N.Ya., red.; LISOVETS, L.O. [Lysovets', L.O.], tekhn.red.

[The use of natural curative resources in the Ukraine; mineral  
waters, therapeutic mud, climate] Vykorystannia pryrodnykh  
likuval'nykh resursiv Ukrayiny; mineral'ni vody, likuval'ni  
griazi, klimat. Kyiv, Vyd-vo Akad.nauk URSR, 1959. 231 p.  
(MIRA 13:8)

1. Akademia nauk URSR, Kiyev. Rada po vyychenniu produktivnykh  
syl URSR. 2. Chleny-korrespondenty AN USSR (for Burkser, Rubenchik).  
(UKRAINE--HEALTH RESORTS, WATERING PLACES, ETC.)

17(2)

SOV/26-59-5-7/47

AUTHOR: Rubenchik, L.I., Professor, Member (Corresponding)  
of the Academy of Sciences of the Ukrainian SSR

TITLE: Halophilous Bacteria

PERIODICAL: Priroda, 1959, Nr 5, pp 41 - 44 (USSR)

ABSTRACT: The author describes bacteria living in a medium of  
highly concentrated sodium chloride. Ye.M. Brusilovskiy discovered (in 1892) a group of these halo-  
philous bacteria living in Odessa estuaries. They  
were separated in 1906 (by Le Dantek). Various  
culture media were recommended and used to separate  
them. Some of these bacteria need complex media,  
others are satisfied with carbon nitrate or similar  
simple elements. An addition of NaCl helps in se-  
lecting the necessary conditions and in the study  
of modifications in the size and forms of the cells.  
These processes, the author says, have not so far  
received sufficient attention, although the origin

Card 1/2

RUBENCHIK, L.I. [Rubenchyk, L.I.]

Variability of Azotobacter. Mikrobiol.zhur. 21 no.3:48-53  
'59. (MIRA 12:10)

(AZOTORACTER)

RUBENCHIK, L.I.

Systematics of bacteria of the family Azotobacteriaceae. Mikrobiologija  
(MIRA 13:3)  
28 no.3:328-335 My-Je '59.

1. Institut mikrobiologii im. akad. D.K. Zabolotnogo AN USSR.  
(AZOTOBACTER  
classif. (Rus))

RUBENCHIK, Lev Iosifovich; DROBOT'KO, V.G., akademik, otv.red.  
BRAGINSKIY, L.P., red.izd-va; SKLYAROVA, V.Ye., tekhn.red.

[Azotobacter and its use in agriculture] Azotobakter i ego  
primenenie v sel'skom khoziaistve. Kiev, Izd-vo Akad.nauk  
USSR, 1960. 327 p. (MIRA 13:12)

1. AN USSR (for Drobot'ko).  
(Azotobacter)

RUBENCIK, L.I. [Rubenchik, L.I.]

Contributions to the systematics of bacteria in the  
Azotobacteriaceae family. Analele biol 14 no.1:46-53 Ja-Mr '60.

RUBENCHIK, L.I.

Conference on the geological activity of micro-organisms.  
Mikrobiol. zhur. 22 no. 1:71-72 '60. (MIRA 13:10)  
(INDUSTRIAL MICROBIOLOGY—CONGRESSES)

RUBENCHIK, L.I. [Rubenchyk, L.I.]

Mechanism of the action of bacterial fertilizers. Mikrobiol.zhur.  
23 no.1:3-8 '61. (MIRA 14:5)

1. Iz Instituta mikrobiologii AN USSR.  
(SOILS—MICROBIOLOGY)

RUBENCHIK, L. I. [Rubenchyk, L. I.]; KORDYUM, V. A.

Development of micro-organisms in an atmosphere of volatile substances secreted by pea and wheat shoots. Mikrobiol. zhur. 23 no.3:1-8 '61. (MIRA 15:7)

1. Institut mikrobiologii Akademii nauk USSR.

(RHIZOSPHERE MICROBIOLOGY) (WHEAT) (PEAS)

RUBENCHIK, L.Y. [Rubenchyk, L.I.]; KORDYUM, V.A.; LAZURKEVICH, Z.M.  
[Lazurkevych, Z.M.]; VLADIMIROVA, Ye.V. [Vladomyrova, IE.V.]

Growth of bacteria-free Chlorella cultures in a multi-stage continuous  
flow system. Mikrobiol. zhur. 23 no.5:5-8 '61. (MIRA 14:12)

1. Institut mikrobiologii AN USSR.  
(ALGAE—CULTURES AND CULTURE MEDIA)

RUBENCHIK, L.Y. [Rubenchyk, L.Y.]

Fixation of molecular nitrogen by acellular extracts of micro-  
organisms. Mikrobiol. zhur. 23 no.6:66-68 '61. (MIRA 15:4)  
(MICRO-ORGANISMS, NITROGEN-FIXING)

RUBENCHIK, L.I. [Rubenchyk, L.I.]; KORDYUM, V.A.; CHERNYKH, S.I.

Development of micro-organisms in the leaves of some plants  
under natural conditions. Mikrobiol.zhur. 24 no.2:3-7 '62.  
(MIRA 15:12)

1. Institut mikrobiologii AN UkrSSR.  
(MICRO-ORGANISMS) (PLANTS)

ROMANOVA, A.T.; RUBENCHIK, M.M.

[Galvanized coatings] Gal'vanicheskie pokrytiia. Kiev, Gos. nauchno-tehnicheskoe izd-vo mashinostroitel'noi lit-ry, 1951. 154 p. (MLRA 6:11)  
(Galvanizing)

RUBENCHIK, M.M., jt. au.

Romanova, AT.

Galvanized coatings. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1951.  
(Mic 55-3868) Collation of the original: 154 p.

Microfilm Slavic 115 AC

1. Electroplating. I. Rubenchik, M.M., jt. au.

ROMANOVA, A.T.; RUBENCHIK, M.M.

[Galvanized coatings] Gal'vanicheskie pokrytiia. Kiev, Gos.  
nauchno-tekhnicheskoe izd-vo mashinostroitel'noi lit-ry, 1951.  
154 p. (MLRA 6:11)  
(Galvanizing)

RUBENCHIK, S.A., inzh.

Gluing metal parts to structural elements. Transp. stroi. 14 no. 7:53-55  
J1 '64. (MTRA 18:1)

RUBENCHIK, V.M.; GRACHEV, I.S.

Work practices of mixed brigades. Avt.dor. 23 no.1:17  
Ja '60. (MIRA 13:5)  
(Road construction) (Wages)

L4D5U1-06 EMP(J)/EMP(K)/EMP(M)/I/EMP(V)/EMP(T)/ETI IJRCJ RM/RH/RW/JU/JM

ACC NR: AP6019929

(N)

SOURCE CODE: UR/0122/66/000/006/0041/0043

24

AUTHOR: Rubenchik, S. A. (Engineer); Popov, G. G. (Candidate of technical sciences) 22

B

TITLE: The effect of surface preparation on the strength of steel adhesive joints 16

SOURCE: Vestnik mashinostroyeniya, no. 6, 1966, 41-43

TOPIC TAGS: surface finishing, metal surface, cement, epoxy plastic, resin, thermosetting material, pickling, sandwich structure

ABSTRACT: The authors discuss the effect of surface preparation on the strength of St.3 steel adhesive joints. An attempt is made to give a physical interpretation of the experimental data. Soviet epoxy resins were used throughout the study. The shear strength of epoxy joints is lower than their cleavage strength, however the joints are made to withstand shear since cleavage strength is not important in practice. The quality of the joints was evaluated by applying shearing loads. A formula is given for determining the breaking point under shear stress. Three tests were conducted using eight specimens each. The TsDM-10 machine was used with a clamp motion of 6 mm/min and a fixed distance of 100 mm between clamps. The following mechanical methods were used for surface preparation: polishing, emery cloth, sandblasting, hydraulic sandblasting and shot blasting. The specimens were degreased in acetone and then pickled by three different methods. Liquid hot-setting (E-1M, K-153G, Epoxy P) and cold-setting (E-P, K-153Kh) epoxies were used. The cold-setting epoxy was mixed with

Card 1/2

UDC: 621.792.3.05.3:539.4

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ACC NR: AP6019929

15  
cold ED-5 resin or K-153 compound for 5 minutes. The hot-setting material was mixed with ED-6 resin or K-153 compound and heated to 80°C. Diethyl analine was added as a catalyst to the adhesive based on ED-6 resin. The specimens were heated to 100-110°C. Powdered P epoxy was then applied to the surfaces and they were clamped. Hot-setting was done in drying cabinets and cold-setting was done at room temperature. The joining conditions are given. The best joints were between shot-blasted surfaces pickled for 2-4 minutes at 15-30°C in an aqueous solution of a mixture of nitric and sulfuric acids with an H<sub>2</sub>SO<sub>4</sub>:HNO<sub>3</sub>:H<sub>2</sub>O ratio of 10:10:80. The mechanism responsible for the high strength of joints made with hot-setting materials is explained. It is assumed that the favorable results with these materials are due to high cohesive strength and increased mobility of molecular chains at high temperatures. The molecules of cold-setting cement based on Ed-5 resin, Thiokol and MGF-9<sup>15</sup> polyester are more mobile than those of cements based on pure ED-5 resin. Shot blasting, sandblasting and pickling produce cleaner surfaces and in the work function of electrons, resulting in a better cement-to-metal adhesion. Orig. art. has: 2 figures, 3 tables.

13/

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001

ms/  
Card 2/2

RUBENCHIK, S.A.; BILIK, Sh.M., doktor tekhn. nauk, retsenzent;  
POPOV, G.G., kand. tekhn.nauk, retsenzent; FILIPPOVA,  
L.S., inzh., red.; VOROB'YEVA, L.V., tekhn.red.

[Adhesives for metals and their use in railroad transportation structures] Klei dlia metallov i ikh primenie-  
nenie v konstruktsiiakh zheleznych dorozhnogo transporta.  
Moskva, Transzheldorizdat, 1963. 34 p. (MIRA 17:2)

BABUSKIN , V.; CIMLOV ), D.; SPRINGIS, R.[translator]; MARKONS,A.,  
red.; RUBENE, J., red.

[Volunteer participation in production] Sabiedriskie pamati  
razosana. Riga, Latvijas Valsts izd-ba, 1963. 56 p.  
[In Latvian. Translated from the Russian] (MIRA 17:6)

RUBENEV, I. M., MARCHEVSKAYA, V. V.

Blood - Transfusion

Kidney function in cases of post-hemorrhagic anemia during transfusion of erythrocytes. Klin. med. 30, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952.  
Unclassified.

KOLDOVSKY, P.; RUBENIK, J.

Occurrence of tumours in mice after inoculation of Rous sarcoma  
and antigenic changes in these tumours. Folia biol. (Praha) 10  
no.2:81-89 '64

1. Institute of Experimental Biology and Genetics, Czechoslovak  
Academy of Sciences, Prague.

\*

KOLDOVSKY, P.; RUBENIK, J.

Resistance to RSV-induced tumors in mice. Folia biol. (Praha)  
11 no.3:198-202 '65

I. Institute of Experimental Biology and Genetics, Czechoslovak  
Academy of Sciences, Prague.

...; JILÍČEK, J.; and KALVÁŘI, J. *Antitumor mechanisms of the transfer factor*. In: Mechanism of antitumor immunity studied by means of transfer factors. *Folia Biol. (Pragae)* 10 no. 3:427-432. 1961.

J. Institute of Experimental Biology and Genetics, Czechoslovakian Academy of Sciences, Prague.

RUBENIS, A.

G. Sabardina's booklet Latvijas PSR dabisko zāļaju klasifikacija  
(Classification of Latvian SSR Natural Grasses); a review. *Vestis*  
Latv ak no.4:203-204 '60. (EEAI 10:7)  
(Sabardina, Galina Sergeevna) (Latvia—Meadows)

RUBENIS (RUBENS), A. Ya. In Latvian

RUBENIS (RUBENS), A. Ya. -- "Problem of Producing Seeds of Perennial Cultivated Grasses in the Latvian SSR." Latvian Agricultural Academy, 1954. In Latvian (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9, Sept., 1955

RUBENIS, E. (Ziemelis)

Reminiscences of the revolutionist E. Rubenis (Ziemelis) about Janis  
Prieditis. Vestis Latv ak no.10:134-136 '61.

(Prieditis, Janis, 1876-1908)

USSR/Soil Science - Physical and Chemical Properties of Soils. J.

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67890

Author : Rubenis, I.M.

Inst : Latvian Agricultural Academy.

Title : On a Method of Determining the Quantity of Water-Resistant  
Soil Aggregates by Using Baksheyev's Device.

Orig Pub : Tr. Latv. s.-kh. akad., 1957, No 6, 51-53.

Abstract : When the water resistance of a soil structure is determined by passing a soil specimen through a series of screens in hermetically sealed cylinders filled with water, the results are exaggeratedly high. After a series of experiments, corrections have been derived for large mechanical particles in using the Baksheyev device. The work was done on the lightly argillaceous soils of the study economy of the Latvian Agricultural Academy.

Card 1/1

RUBENIS, Ye. Ye.

Rubenis, Ye. Ye. -- "Plowing Time for Perennial Grasses Under Agricultural Conditions  
in the Latvian SSR." Latvian Agricultural Academy, 1955 (Dissertation for the Degree  
of Candidate of Agricultural Sciences)

SO: Izvestiya Ak. Nauk Latvivskov SSR, No. 9, Sept., 1955

RUBENIS, Ye.Ya., kandidat sel'skohzyaystvennykh nauk.

Time for plowing up grass in the Latvian S.S.R. Zemledelie 4  
no.6:42-45 Je '56. (MLRA 9:8)

(Latvia--Grasses)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7

ABDULKHAKA-GOFF, A.  
M. NMSI, Unterlagen Inst, Moscow, 1933, ed. 2

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7"

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7

RUBENKINA-GOER, A.  
M. RESH, Zellstoff u. Papier 14, 56-7, 1934

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R001445810010-7"

RUBENKO, V. A.

USSR/Chemistry - Cyanohydrins  
Chemistry - Acetylation

Feb 1948

"Acetylation of Alpha-Cyanohydrins," A. Ya. Yakubovich, V. A. Rubenko, Ye. N. Merkulova, 5 pp

"Zhur Prik Khim" Vol XXI, No 2

Studies of acetylation of alpha-cyanohydrins of acetic acid with acetyl chloride and ketone. Determined that acetylation was better with ketone as the output of acetate was 73% of the computed amount.

Submitted 27 Oct 1946

PA 64T14

RUBENKOV, A.A., kand. biolog. nauk

Intravital staining of the agent of trichomoniasis in cattle.  
Veterinariia 42 no.9:53-54 S '65.

(MIRA 18:11)

1. Nauchno-eksperimental'noye khozyaystvo "Snigiri"  
Moskovskoy oblasti.

RUBINKOV, A.A., kard.biol.nauk

Obtaining smears from the cervix uteri in cows. Veterinariia '2  
no.10:65-66 O '65. (MIRA 18:10)

1. Nauchno eksperimental'noye khozyaystvo "Snigiri", Moskovskoy  
oblasti.

RUBENKOV, A. A.

"Early clinical symptoms of puerperal paresis in cows."

Veterinariya, Vol. 37, No. 8, 1960, p. 58

Can. Biol. Sci.- VIEV

RUBENKOV, A.A., kand.biologicheskikh nauk

Treatment of toxic dyspepsia in calves. Veterinariia 40 no.5:47-48  
My '63. (MIRA 17:1)

1. Nauchno-eksperimental'noye khozyaystvo "Snigiri", Moskovskoy  
oblasti.

RUBENKOV, A.A.

Variation of the vascular tonus in cows before and after calving.  
Fiziol. zhur. 45 no. 10:1254-1258 O '59. (MIRA 13:2)

1. Laboratoriya fiziologii i patologii razmnozheniya sel'skikh zemlyaystvennykh zhivotnykh Vsesoyuznogo instituta eksperimental'noy veterinarii, Moskva.  
(VASOMOTOR SYSTEM physiol.)  
(PREGNANCY physiol.)  
(PUERPERIUM physiol.)

RUBENKOV, A.A.,kand.biol.nauk

Cases of shock in cows following difficult labor. Veterinariia  
35 no.12:50-51 D '58. (MIHA 11:12)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(Shock) (Veterinary obstetrics)

HUBENKOV, A.A., kand.biol.nauk

Valuable achievement in the technique of simultaneously counting normal and pathological spermatozoids. Zhivotnovodstvo 21 no.2:64-65  
(MIRA 12:3)  
F '59.

(Spermatozoa)

TSITSIN, N.V., akademik.; RUBENKOV, A.A., kand.biol. nauk

Remote hybridization of cattle. Priroda 47 no. 7:104-106 J1 '58.  
(MIRA 11:8)

1. Nauchno-eksperimental'noy khozyaystva "Snegiri," Moskovskoy  
oblasti.  
(Dairy cattle breeding)  
(Zebus)

RUBENKOV, A.A., kand.biologicheskikh nauk

Early clinical signs of parturient paralysis in cows. Veterinariia  
37 no.8:58-60 Ag '60. (MIRA 15:4)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(Cows---Diseases and pests) (Paralysis)

RUBENKOV, A.A.

26-58-7-27/48

AUTHORS: Tsitsin, N.V., Academician; Rubenkov, A.A., Candidate of Biological Sciences

TITLE: Distant Hybridization of Big-Horned Cattle (Otdalennaya gibridizatsiya krupnogo rogovogo skota)

PERIODICAL: Priroda, 1958, Nr 7, pp 104-106 (USSR)

ABSTRACT: Cross breeding of local cattle strains with zebu bulls has increased the fat content of the milk by 5%. The chosen zebu strains, according to the data of V.K. Markov, had a milk of up to 7 - 8% fat, 4.49% albumin, 17.23% dry substance, the caloricity equalling 1,100. Distant hybridization also brought about a substantial weight increase, a higher amount of milk yield and an extended lactation period.

Card 1/2 There are 4 photos.

Distant Hybridization of Big-Horned Cattle

26-58-7-27/48

ASSOCIATION: Nauchno-eksperimental'noye khozyaystvo "Snegiri" - Moskovskaya Oblast' ("Snegiri" Scientific Experimental Husbandry - Moscow Oblast)

1. Cattle--Rearing--USSR

Card 2/2

RUBENKOV, A.A., kand. biol. nauk.

Body water conditions of cows during the period of calving. Zhivotno-vodstvo 20 no.4:63-64 Ap '58. (MIRA 11:3)

1. Mladshiy nauchnyy sotrudnik nauchno-eksperimental'nogo khozyaystva "Snegiri" Glavnogo botanicheskogo sada AN SSSR.  
(Water in the body) (Cows)

RUBENKOV, A. A.

Experimental Base of Vaskhnil "Gorkileninskis"

Paralysis

Treatment of puerperal paresis in cows by packing. Veterinariia 29 no. 5, 1952. p 53

Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

V(LOSKOV, P.A., professor, doktor biologicheskikh nauk; RUBENKOV, A.A.  
kandidat biologicheskikh nauk.

Pathogenesis, prophylaxis and therapy of parturient paresis in cows.  
Veterinariia 31 no.12:38-44 D '54. (MLRA 7:12)

1. Vsesoyuznyy institut eksperimental'noy veterinarii.  
(COWS---DISEASES) (PARALYSIS)

Rubenkova, L.A.

USSR/ Engineering - Conferences

Card /1      Pub. 124 - 21/28

Authors : Rubenkova, L. A.

Title : Standards for the processes of metal machining under pressure

Periodical : Vest. AN SSSR 26/1, 95-97, Jan 1956

Abstract : Minutes are presented from a conference held at the Institute of Machine Design of the Academy of Sciences, USSR where urgent problems of standardizing the metal machining processes under pressure were discussed.

Institution : .....

Submitted : .....

*Card*  
RUBENKOVA, L. A.: Master Tech Sci (diss) -- "Evaluation of the capacity of sheet steel for drawing, on the results of tests on monaxial and diaxial drawing". Moscow, 1958. 13 pp (Acad Sci USSR, Inst of Machinebuilding), 150 copies (KL, No 4, 1959, 127)

RUBENKOVA, L.A., inzh.

Malleability of sheet steel. Vest.mash. 38 no.10:49-52 O '58.  
(Sheet steel--Testing) (MIRA 11:11)

S/137/61/000/001/040/043  
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, pp. 43 - 44,  
# 1I383

AUTHOR: Rubenkova, L.A.

TITLE: Testing of Sheet Steel for Uni- and Biaxial Tension

PERIODICAL: V sb. "2-ya Nauchno-tekhnikonferentsiya aspirantov i mladsh.nauchn.  
sotrudnikov (In-t mashinoved,AN SSSR), Vol.2, Moscow, 1959,pp.15-26

TEXT: The author studied the behavior of 08K1 (08kp) sheet steel during  
uni- and biaxial tension. It was established that the ability of the steel to  
stretching is best of all characterized by the maximum deformation force during  
the test, and by the depth of the forming hole. Hydrostatic test methods have con-  
siderable advantages over tests with a rigid die, due to the uniform pressure on  
the metal and the absence of friction. The test method on an Eriksen machine pro-  
vided by GOST 914-56 did not yield an objective evaluation of the metal ability to  
stretching for parts of composite shape. Therefore it is recommended to carry out  
these tests with the use of hydrostatic pressure. T.F.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

RUBENKOVA, L.A.

Methods of testing sheet steel for its suitability for drawing.  
Kuz. shtam. proizv. I no.10:11-14 O '59. (MIRA 13:2)  
(Sheet steel--Testing) (Drawing (Metalwork))